



TYPICAL TRENCH DETAIL
STREET LIGHTING SPECIFICATIONS
 Underground 240 Volt Single Phase Two Wire System

Street lighting standards shall be as shown by Drawing No. 400-1 Page 40 of Uniform Standard Drawings and must conform to Sections 400 and 405 and any other applicable sections of the Uniform Standard Specifications.

On 80' R/W streets, there shall be two poles on diagonal corners.
 On 100' R/W streets, there shall be one pole at each corner.

Mercury vapor luminaires to be used on 51' R/W and 60' R/W streets, except at intersections, shall be 175 watt, 240 volt I.E.S. distribution Type 3, with integral constant wattage ballasts, similar to line material catalog #M44A2 or approved equal.

175 watt mercury vapor lamps shall be ASA Code #M39-22RC7.
 400 watt mercury vapor lamps shall be ASA Code #M33-70L7.

Photo cell and control to be 120/240 volts.

Spacing of standards shall be 180 feet maximum on 51' R/W and 60' R/W streets or one side to provide 0.9 F.C.
 Spacing of standards shall be 130 feet maximum on 80' R/W streets on both sides staggered to provide 0.9 F.C.
 Spacing of standards on 100' R/W streets or more shall be 120 feet maximum on both sides staggered to provide 1.4 to 2.0 F.C.

All standards to be 18" back of curb.

Schedule 40 rigid non-metallic conduit (PVC) or approved equal complying with Article 347 of the National Electrical Code may be used for underground applications and to be within 22" back of curb and 24" cover.

Fuse holders and connectors shall be installed in the looses of all lighting standards; the fuse holders shall be Bus-Trencher-AA.

Base covers for lighting standards are not to be installed before breakout caps are placed and inspected. All material used in underground wiring, in breakout caps and under base covers to be inspected before installations.

Foundations shall be constructed and located to line and grade as directed by the Field Engineer.

Lighting standard and mast arm cable to luminaire shall be 10/2 U.F. Type 600 volt copper cable.

The contractor shall be responsible for avoiding damage to property, either public or private, and in the event of such damage shall make satisfactory repairs at his own expense.

The Contractor shall furnish complete service to transformers and control system, if required.

Legend & Estimate of Quantities

1/4" PVC Schedule 40 Cond.	1425 LF
11 Ga. Standard	9 Ea.
175 Watt Luminaire	9 Ea.
Field Wire	2"4 - THW

Specifications (Cont.)

The service point standard is to be installed at the approved location shown on plans and to conform to Drawing No. 401.1, Page 44 of the Uniform Standard Drawings.

In the selection of 175 and 400 watt mercury vapor luminaires to be used in a particular development, one approved manufacturer shall be specified.

These specifications to become effective on all City of Las Vegas multiple street lighting designs approved on or after September 1, 1971.

These specifications shall be superseded by any revised specifications in existence at the time of installation.

Approved By:

Michael B. Coleman 3-22-76
 Nevada Power Co. Date

Michael B. Coleman 3-22-76
 (Date) NEVADA POWER COMPANY

Las Vegas City Engr. 4-22-76
 Date

C.D. Peterson 4-22-76
 Las Vegas City Field Engr. Date

George Harris 4-22-76
 Las Vegas City Electrician Date

Bob Peterson 4-22-76
 Las Vegas City Electr. Coordinator Date

Submitted By:

Charley R. Johnson 1-26-76
 Charley R. Johnson Date
 R.P.E. # 3005

VTN CONSULTING ENGINEERS • PLANNERS
 2209 PARKSIDE BLVD LAS VEGAS NEVADA 89102
 (702) 735-0227

Charleston Rainbow Unit 12-E
Master Street Light Plan

SCALE:	WO. NO. 1066-12E	DATE 1-26-76	SHEET	OF
HORIZ: 1" = 40'	DES.	REV.	7	7
VERT:	CHK.	REV.		